MacLean MV2—Municipal Vehicle

The MV is a natural evolution from MacLean’s rugged and dependable mining equipment. With proven hydraulic and electrical systems, the MV was designed to satisfy the operator, the owner, and the mechanic.

MacLean Engineering Diversified Product Series
MV2 MUNICIPAL USES
The MV2 can be used for all types of municipal maintenance operations, including:
- Snow Blowing
- Snow Plowing
- Salt and Sand Spreading
- Sweeping
- Finish Mowing
- Flail Mowing
- Asphalt Planing

MV2 STANDARD FEATURES
- Caterpillar C4.4 Engine—Tier III Emission compliant
- Limited slip axles with enclosed wet disc brakes
- Hydrostatic drive through 2 speed ranges
- Front 540 RPM PTO drive
- Directional and proportional high flow hydraulics
- ROPS certified cab
- Automotive style side mirrors
- Pantograph intermittent windshield wiper
- TPO cab roof, hoods, and side panels
- Loader lug tires
- High hydraulic oil temp warning system
- Low hydraulic oil level warning system
- Slow moving vehicle sign
- Engine block heater
- 113L fuel tank

POWERFUL DRIVELINE
The MV2 is equipped with a 127hp Caterpillar diesel engine, an infinitely variable hydrostatic transmission through 2 mechanical speed ranges, and 8000lb axles complete with wet disc service brakes. The MV2 also features standard high flow hydraulics and PTO drive to power a variety of attachments to meet your needs.

COMFORTABLE INTERIOR
The MV2 is equipped with an air ride seat with adjustable armrests and recline functions, adjustable steering wheel, standard CD player, and automotive style rear-view mirrors. Air conditioning is available as an option.
The MV2 utilizes two steering cylinders protected by the frame. The steering and center joint utilize premium quality Expander Pins™ for maximum service life.

The MV2 is equipped with an infinitely variable hydrostatic transmission coupled with a 2 speed mechanical gearbox for a working speed of up to 12 km/h and a travel speed of up to 32 km/h.

The MV2 features axles rated to carry 8000lbs each. These premium axles are heavy duty outboard planetary style tractor axles with internal wet disc brakes.

Versatile and agile, the MV2 is designed to accommodate multiple implements for municipal requirements in all seasons. Its intuitive connections allow the attachments to be quickly interchanged.

The MV2 utilizes an industry standard mounting system which incorporates a quick hitch and easy access hydraulics. The MV2 features a proportional 4 spool hydraulic valve to control multiple attachment functions. Proportional high flow hydraulics and front 540RPM PTO are standard equipment.

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Axles & Brakes

HYDROSTATIC DRIVELINE

Attachments

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STEERING & CENTRE JOINT

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**MV2 Features**

**ENGINE**
- Caterpillar Electronic Tier III C4.4
- 127HP @ 2200RPM
- 376 ft-lbs @ 1400RPM
- 100A Alternator

**CHASSIS**
- Heavy-duty welded steel construction framework
- Articulated steering with oscillation

**CAB**
- ISO 3471 ROPS cab certified to 12,000lbs GVW
- Easily accessed spacious cabin offers high visibility through tinted glass
- Available air conditioning

**BRAKING**
- Self-enclosed wet disc service brakes
- Axle mounted drum parking brake acting on entire driveline

**POWERTRAIN**
- Closed loop hydrostatic drive with servo-controlled variable displacement pump, fixed displacement motor and charge pump filtration
- Front 540 RPM 1⅜ - 6T spline PTO with electric over hydraulic control
- Electric over hydraulic controlled 2-speed gearbox mounted on front axle

**HYDRAULIC TANK**
- 70L system capacity with suction screens and in-tank return filtration

**UNIT WEIGHTS & DIMENSIONS**
- Base unit weight: 6500lbs (2954kg)
- Axle capacities: 8000lbs (3630kg)
- Width: 50.1”
- Length: 156.9”
- Height: 82.8”
- Wheelbase: 78.2”
- Articulation: 38°
- Oscillation: 10°

**Factory Installed Options**

**MV2 Features**
- Air Conditioning
- Rear 2-Speed Wiper
- Cruise Control
- Steel Door & Lower Side Windows
- Second High Flow Hydraulic Pump
- Differential Lock Axels
- Reversing Fan with Screen Kit for Air Conditioner
- Inclinometer for Sidehill Gradeability

**Notice:** MacLean Engineering reserves the right to change the above specifications without notice.

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**Your dealer is:**

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